

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
 SCHUBERT W.) **Art Unit: 1641**
Serial No: **09/613,964**) **Examiner: PADMANABHAN K.**
Filed: **JULY 11, 2000**)
For: **A DEVICE FOR BINDING MOLECULES, MOLECULAR GROUPS, MOLECULAR**
 PARTS, AND/OR CELLS

NEW CLAIMS

26. A device for delivering a liquid to a target structure, wherein the device comprises:
- a) an object holder, wherein said object holder is operably in contact with an object holder thermostat;
 - b) a stretchable sheet disposed between said object holder and at least one rail;
 - c) a duct, wherein said duct is defined by said object holder, said stretchable sheet and the at least one rail, wherein said at least one rail is mounted on said stretchable sheet thereby defining the geometry of said duct, and wherein said duct has a liquid inlet and a liquid outlet.
27. The device of Claim 26, wherein the device is operably connected to a means for delivering a liquid to said duct, said means for delivering being selected from a plunger mechanism and a pump.
28. The device of Claim 26, wherein said liquid outlet is operably connected to a discharge pump.

29. The device of Claim 26, wherein said object holder thermostat comprises a Peltier element.
30. The device of Claim 26, further comprising a vessel disposed to receive a liquid from said liquid outlet.
31. The device of Claim 30, wherein said vessel is operably contacted with a vessel thermostat.
32. The device of Claim 31, wherein said vessel thermostat comprises a Peltier element.
33. The device of Claim 26, further comprising at least one stretchable strip disposed between said object holder and said stretchable sheet.
34. A device for delivering a liquid to a target structure, wherein the device comprises:
 - a) an object holder, wherein said object holder is operably in contact with an object holder thermostat;
 - b) a stretchable sheet disposed on said object holder;
 - c) a duct, wherein said duct is defined by said object holder, said stretchable sheet, and at least two stretchable strips disposed between said object holder and said stretchable sheet thereby defining the geometry of said duct, and wherein said duct has a liquid inlet and a liquid outlet.
35. The device of Claim 34, wherein the device is operably connected to a means for delivering a liquid to said duct, said means for delivering being selected from a plunger mechanism and a pump.

36. The device of Claim 34, wherein said liquid outlet is operably connected to a discharge pump.
37. The device of Claim 34, wherein said object holder thermostat comprises a Peltier element.
38. The device of Claim 34, further comprising a vessel disposed to receive a liquid from said liquid outlet.
39. The device of Claim 38, wherein said vessel is operably contacted with a vessel thermostat.
40. The device of Claim 39, wherein said vessel thermostat comprises a Peltier element.
41. The device of Claim 34, further comprising at least one rail contacting said stretchable sheet.